# **SRS2: TECHNOLOGIES**

1. Frontend

A. JavaScript Frameworks/Libraries:

* + React.js: A popular library for building user interfaces, developed and maintained by Facebook.
  + Charkra UI
  + Ant Design
  + Axios

B. HTML5 and CSS3:

* + Standard technologies for structuring content and styling the user interface.

C. State Management:

* + Redux (for React.js): A predictable state container for managing the application's state in a centralized manner.

2. Backend

A. Server-Side Language:

* + Java: Widely used for building enterprise-level applications, with frameworks like Spring.

B. Server-Side Frameworks:

* + Spring Boot 3 (Java): A comprehensive framework for Java that provides features for building enterprise-level applications, including web applications.

C. Database:

* + MySQL: An open-source relational database management system (RDBMS) that is widely used for managing and organizing structured data

3. Other technologies

A. Authentication and Authorization:

* + JWT (JSON Web Tokens):

B. Version Control:

* + Git: A distributed version control system for tracking changes in source code during software development.

C. Server deployment

* + Digital Ocean: Digital Ocean is a cloud infrastructure provider that offers a variety of cloud services, primarily targeted towards developers, startups, and businesses